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(REV. 8-83)US Dept. of Commerce
PATENT & TRADEMARK OFFICEATTY DOCKET NO.
117161APPLICATION NO.
New U.S. Patent Application

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

10/665,296APPLICANTS
Akira FUKUSHIMA et al.FILING DATE
September 22, 2003

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
YC	1	6,417,592 B2	7/9/2002	NAKAMURA et al.		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
YC	2	JP A 11-164506 w/ Abst & Trans	6/18/1999	Japan		
YC	3	JP A 11-155270 w/ Abst & Trans	6/8/1999	Japan		
YC	4	JP A 2001-169490 w/ Abst & Trans	6/22/2001	Japan		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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				FILING DATE September 22, 2003		GROUP 2834	

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	1.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
YC	1.	6,211,594 B1	04/03/2001	Atsushi UMEDA et al.		
YC	2.	2002/0096963 A1	07/25/2002	Makoto MASEGI		
YC	3.	4,307,311 A	12/22/1981	Alfred GROZINGER		

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	1.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
YC	4.	1 107 427 A2	06/13/2001	EUROPEAN PATENT OFFICE		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)						

EXAMINER <i>Yahh Q. J.</i>	DATE CONSIDERED <i>9/15/05</i>
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